

U.S. National Phase of PCT/EP2003/010009

having an axial bearing surface for the seal and second engagement means, which engages with the first engagement means,

with the pressure measurement cell being axially clamped by means of the clamping ring between the elastic sealing ring, which is arranged between the axial bearing surface of the housing and the membrane-bearing end face of the pressure measurement cell, and the support ring,

wherein, additionally,

a stiff decoupling element is arranged between the clamping ring and the support ring, and

the dimensions of the support ring and, if necessary, the decoupling element are coordinated with the dimensions of the sealing ring and the pressure measurement cell such that a radial deformation of the membrane-bearing end face caused by the axial clamping of the pressure measurement cell is so small, that the span error of the pressure sensor on the basis of a reduction of the axial clamping force by at least 10% amounts to not more than about 0.02% and the temperature hysteresis of the span amounts to not more than about 0.03%.

On page 8, prior to the paragraph which begins on line 5, please insert the following:

BRIEF DESCRIPTION OF THE DRAWING

Please replace the paragraph which begins on page 8, line 5, and which ends on line 13, with the following rewritten paragraph:

The invention will now be explained in greater detail on the basis of an example of an embodiment illustrated in the accompanying figures, which show as follows:

¹
Fig. ~~[[1a]]~~ a sectional view of a pressure sensor of the invention;

Figs. ~~[[2a-cschematic]]~~ 2a-c schematic views of different variants of the

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